

(PTO-1449)

GROUP
1614

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
<i>[Signature]</i>	4,994,237	02/19/91	LOGIN et al.	422	21	11/13/89
<i>[Signature]</i>	6,383,732 B1	05/07/02	STONE	435	1.1	06/01/00
<i>[Signature]</i>	4,727,027	02/23/88	WIESEHAHN et al.	435	173	10/07/85

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U.S. PATENT APPLICATION PUBLICATIONS

	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS

U.S. PATENT APPLICATIONS

	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

EXAMINER	DATE CONSIDERED
<i>[Signature]</i>	<i>5/8/103</i>

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**LIST OF PRIOR ART CITED BY
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ATTY. DOCKET NO.
CI-0004

APPLN. SERIAL NO.
09/942,928

APPLICANT
David M. MANN et al.

FILING DATE
August 31, 2001

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U.S. PATENT DOCUMENTS

*EXAMINER'S INITIALS	CITE NO.	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
<i>N</i>	A1	4,336,247	06/1982	Eriksen			
<i>N</i>	A2	4,931,361	06/1990	Baldeschwieler et al.			
<i>N</i>	A3	5,012,503	04/1991	Nambu et al.			
<i>N</i>	A4	5,044,091	09/1991	Ueda et al.			
<i>N</i>	A5	5,856,172	01/1999	Greenwood et al.			
<i>N</i>	A6	6,010,719	01/2000	Remon et al.			
<i>N</i>	A7	6,060,233	05/2000	Wiggins			
<i>N</i>	A8	6,258,821	07/2001	Stogniew et al.			
	A9						
	A10						
	A11						

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER'S INITIALS	CITE NO.	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	FILING DATE
	B1						

U.S. PATENT APPLICATIONS

*EXAMINER'S INITIALS	CITE NO.	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	FILING DATE
	C1						

FOREIGN PATENT DOCUMENTS

*EXAMINER'S INITIALS	CITE NO.	*PATENT NO.	*DATE	*COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
	D1							
	D2							
	D3							
	D4							
	D5							

OTHER ART

*EXAMINER'S INITIALS	CITE NO.	(AUTHOR, TITLE, DATE, PERTINENT PAGES, PUBLISHER, PLACE OF PUBLICATION)
<i>N</i>	E1	Borisova, E.A. et al., Protein Degradation During Interphase Death of Thymocytes Induced by Radation and Dexamethasone, pp.519-521 (1990)
<i>N</i>	E2	Chanderkar, L.P. et al., The Involvement of Aromatic Amino Acids in Biological Activity of Bovine Fibrinogen as Assessed by Gamma-Irradiation, Radiation Research, 65:283-291 (1976) (Academic Press, Inc.)
<i>N</i>	E3	Chanderkar, L.P. et al., Radiation-Induced Changes In Purified Prothrombin and Thrombin, Biochimica et Biophysica Acta, 706:1-8 (1982) (Elsevier Biomedical Press)
EXAMINER		DATE CONSIDERED <i>5/5/03</i>

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EXAMINER'S INITIALS	CITE NO.	(AUTHOR, TITLE, DATE, PERTINENT PAGES, PUBLISHER, PLACE OF PUBLICATION)
W	E4	Chin, S. et al., Virucidal Treatment of Blood Protein Products With UVC Radiation, Photochemistry and Photobiology, 65:432-435 (1997) (American Society for Photobiology)
N	E5	Dyskin, E.A. et al., Hemomicrocirculatory Bed in the Wall of Hollow Organs of the Dog Gastrointestinal Tract at Portal Hypertension, Arkh Anat Gistol Embiol, 93:58-68 (1987)
N	E6	Ghosh, M.M. et al., A Comparison of Methodologies for the Preparation of Human Epidermal-Dermal Composites, Annals of Plastic Surgery; 39:390-404 (1997) (Lippincott-Raven Publishers)
N	E7	Goertzen, M.J. et al., Anterior Cruciate Ligament Reconstruction Using Cryopreserved Irradiated Bone-ACL-Bone-Allograft Transplants, Knee Surg. Sports Traumatol. Arthroscopy, 2:150-157 (1994) (Springer-Verlag)
N	E8	Horowitz, B. et al., Inactivation of Viruses in a Labile Blood Derivatives, II. Physical Methods, Transfusion, 25:523-527 (1985)
N	E9	Hsiue, G. et al., Absorbable Sandwich-Like Membrane for Retinal-Sheet Transplantation, pp.20-25 (2002) (Wiley Periodicals, Inc)
N	E10	Jensen, J. et al., Membrane-bound Na, K-ATPase: Target Size and Radiation Inactivation Size of Some of Its Enzymatic Reactions, J. Biological Chemistry, 263:18063-18070 (1988) (Am. Soc. for Biochem. and Mol. Biol.)
N	E11	Kamat, H.N. et al., Correlation of Structural Alterations in Bovine Fibrinogen with Loss of Clotting Properties After Gamma Irradiation, Radiation Research, 49:381-389 (1972) (Academic Press, Inc.)
N	E12	Kempner, E.S. et al., Effect of Environmental Conditions on Radiation Target Size Analyses, Analytical Biochemistry, 216:451-455 (1994)
N	E13	Kempner, E.S. et al., Radiation-Damaged Tyrosinase Molecules are Inactive, Biophysical Journal, 55:159-162 (1989) (Biophysical Society)
N	E14	Kuijpers, A.J. et al., <i>In vivo</i> Compatibility and Degradation of Crosslinked Gelatin Gels Incorporated in Knitted Dacron, pp.137-144 (2000) (John Wiley & Sons, Inc.)
N	E15	Le Maire, M. et al., Effects of Ionizing Radiations on Proteins, Journal of Biochem., 267:431-439 (1990)
N	E16	Ma, J.T. et al., Functional Size Analysis of F-ATPase from <i>Escherichia coli</i> by Radiation Inactivation, The Journal of Biological Chemistry, 268:10802-10807 (1993) (The Am. Soc. for Biochem. and Mol. Bio., Inc.)
N	E17	Marx, G. Protecting Fibrinogen with Rutin During UVC Irradiation for Viral Inactivation, Photochemistry and Photobiology, 63:541-546 (1996) (American Society for Photobiology)
N	E18	Nagrani, S. et al., The Radiation-Induced Inactivation of External Yeast Invertase in Dilute Aqueous Solution, Int. J. Radiat. Biol., 55:191-200 (1989) (Taylor & Francis Ltd.)
N	E19	Nielsen, M. et al., The Apparent Target Size of Rat Brain Benzodiazepine Receptor, Acetylcholinesterase, and Pyruvate Kinase Is Highly Influenced by Experimental Conditions, The Journal of Biological Chemistry, 263:11900-11906 (1988) (The American Society for Biochemistry and Molecular Biology, Inc.)
N	E20	Plavsic, Z. M. et al., Resistance of Porcine Circovirus to Gamma Irradiation, BioPharm, pp. 32-36 (April 2001)
N	E21	Potier, M. et al., Radiation Inactivation of Proteins: Temperature-Dependent Inter-Protomeric Energy Transfer in Ox Liver Catalase, Biochem. J., 298:571-574 (1994)
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<i>h</i>	E22	Sakai, T. et al., Microbiological Studies on Drugs and Their Raw Materials. IV. Sterilization of Microbial Contaminants in Enzyme Powder by Gamma Irradiation, Chem. Pharm. Bull., 26:1130-1134 (1978)
<i>u</i>	E23	Salim-Hanna, M. et al., Free Radical Scavenging Activity Of Carnosine, Free Rad. Res. Comms., 14:263-270 (1991) (Harwood Academic Publishers GmbH)
<i>n</i>	E24	Song, K.B. et al., Effect of Gamma-irradiation on the Physicochemical Properties of Blood Plasma Proteins, 2002 Annual Meeting and Food Expo-Anaheim, California, Session 30C-1, Food and Chemistry: Proteins, (June 2002) (Abstract)
<i>n</i>	E25	Suomela, H., Inactivation of Viruses in Blood and Plasma Products, Transfusion Medicine Reviews, 7:42-57 (1993) (W.B. Saunders Company)
<i>m</i>	E26	(Abstract of EP0919198A2 and EP0919198A3 (Delphion-DERABS Abstract # G1999-304614))
<i>n</i>	E27	Website: www.wslfweb.org/docs/dstp2000.dtopdf/19-MD.pdf (Defense Science and Technology Plans, (February 2000) p. 176, Section II, MD.03, U.S. Department of Defense Deputy Under Secretary of Defense (Science and Technology))
<i>n</i>	E28	Website: www.usacc.org/ataccc/ppt.html , (Advanced Technology Applications for Combat Casualty Care, 2001 Presentations, US Army Medical Research and Material Command Combat Casualty Care Research Program (2001))
<i>n</i>	E29	Website: www.usacc.org/RevisedStepB.html , Bakaltcheva, I. et al., (FY01 Request for Proposals-Intramural-Revised 2, Combat Casualty Care Research Program, (2002))
<i>n</i>	E30	Website: www.benvue.com/history/history_content.html , (2002)
<i>n</i>	E31	Website: www.phase-technologies.com/html/vol.2no1.html , Jennings, T.A., (Glossary of Terms for Lyophilization) (1999)
<i>n</i>	E32	Website: www.phase-technologies.com/html/vol.1no9.html , Jennings, T.A., (Overview of the Lyophilization Process) (1998)
<i>n</i>	E33	Website: www.phase-technologies.com/html/vol.1no2.html , Jennings, T.A., (Role of Product Temperature in the Lyophilization Process) (1998)
<i>n</i>	E34	Website: www.phase-technologies.com/html/vol.2no2.html , Jennings, T.A., (What I Wish I Knew About Lyophilization) (1999)
<i>n</i>	E35	Website: www.phase-technologies.com/html/vol.1no7.html , Jennings, T.A., (Which Shelf Temperature During Lyophilization?) (1998)
<i>n</i>	E36	Website: www.phase-technologies.com/html/vol.1no10.html , Jennings, T.A., (Yes, You have no Eutectic) (1998)
<i>n</i>	E37	
<i>n</i>	E38	
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